| Direct ' | Telephone Calls to: Fro | derick W. Gibb, III (301) 261-8071 | |
|----------|-------------------------|---|-----------|
| (1) | Inventor: Signature: | James C. Bartelo | 1//4/2003 |
| | Residence: | 632 Leon Drive, Endicott, New York 13760 | Date |
| | Citizenship: | USA | |
| | Post Office Address: | Same as residence. | : |
| (2) | Inventor: | Tien-Jen Cheng | |
| | Signature: | | Date: |
| | Residence: | 75 Hickory Kane, Bedford, New York 10506 | D⊕tc. |
| | Citizenship: | USA | |
| | Post Office Address: | Same as residence | |
| (3) | Inventor: | David F. Elichstadt | |
| | Signature: | | Øste |
| | Residence: | 35 Sunset Place, North Salem, New York 10560 | · Vaie |
| | Citizenship: | USA | |
| | Post Office Address: | Same as residence | |
| (4) | inventor: | Charles C. Goldsmith | |
| | Signature: | | Date |
| | Residence: | Three Scott Court, Poughkeepsie, New York 12601 | |
| | Citizenship: | USA | |
| | Post Office Address: | Same as residence | |
| (5) | Inventor: | Jonathan H. Griffith | |
| | Signature: | | |
| | | Date | |
| | Residence: | 105 Boardman Road, Poughkeepsie, New York 12603 | |
| | Citizenship: | USA | |
| | Post Office Address: | Same as residence | |

| | (6) Inventor: Danaid W. Henderson |
|-----|---|
| | Signature: |
| | Date |
| | Residence: 20 Woodlane Road, Ithaca, New York 14850 |
| | Citizenship: USA |
| | Post Office Address: Same as residence |
| (7) | Inventor: Roger A. Quon |
| | Signature: |
| | Residence: 37 Cross Street, Beacon, New York 12508 |
| | Citizenship: Canada |
| | Post Office Address: Same as residence |
| (B) | Inventor: Stephen-Kilpstrick |
| | Signature: Sept Kilpathuk October 30, 2003 |
| | Residence: U.S. Army Research Laboratory, Physical Scientist MicroDovices Branch, 15 Dartmoor Court |
| | Citizenship: USA Adelphi M6 20783-1427 ST 10 30 03 |
| | Post Office Address: Same as residence |

Page 3 of 3

Declaration and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that:

the specification of which (check one)

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: STABILIZING COPPER OVERLAYER FOR ENHANCED C4 INTERCONNECT RELIABILITY

| х | is attached hereto. | | | | |
|---|--|--|--|---|--------------------|
| | was filed on | as Application | n Serial No | and was amended on | · |
| | at I have reviewed and uent referred to above. | understand the contents of | the above-identified specif | ication, including the claims, as amend | ded |
| | I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56. | | | | |
| certificate listed l | | ntified below any foreign a | | ign application(s) for patent or invent ntor's certificate having a filing date bef | |
| Prior F | oreign Application(s): | | | | |
| Numb | ər | Country | Day/Month/Year | Priority Claimed | |
| subject matter of the first paragraph of this application | each of the claims of the of Title 35, United Son as defined in Title 3 | this application is not disclo tates Code, §112, I ackno | sed in the prior United Stat wledge the duty to disclose lations, §1.56 which occu | ication(s) listed below and, insofar as tes application in the manner provided e information material to the patentab rred between the filing date of the p | l by ility |
| Prior <u>l</u> | J.S. Applications: | | | | |
| Serial | No. | Filing Date | | Status | |
| are believed to be made are punish | e true; and further that able by fine or impriso | these statements were m nment, or both, under Sec | ade with the knowledge th | tatements made on information and be at willful false statements and the like United States Code and that such wi | so |
| the Patent and 7 (Reg No. 38,371) Townsend, (Reg. | rademark Office conno , Ira D. Blecker (Reg. N No. P-43,199), William | ected therewith: Joseph P. A. Jo. 29,894), Steven Capella P. Skladony (Reg No. 33,78 | Abate (Reg. No. 30,238), Jes (Reg. No. 33,086), H. Dani 37), Anthony N. Magistrale (| is application and transact all business se Abzug (Reg. No. 31,316), Jay Ander iel Schnurmann (Reg. No. 35,791), Tiff Reg. No. 35,595), Harold Huberfeld (R B. Green (Reg. No. 24,351), Christopher | son any leg. |

Send all correspondence to: Frederick W. Gibb, III

Frederick W. Gibb, III Registration No. 37,629 McGinn & Gibb, PLLC 2568-A Riva Road, Suite 304 Annapolis, MD 21401

Hughes (Reg. No. 26,914), John E. Hoel (Reg. No. 26,279), Joseph C. Redmond, Jr. (Reg. No. 18,753), Eugene I. Shkurko (Reg. No. 36,678),

Steven Soucar (Reg. No. 32,440), Sean M. McGinn (Reg. No. 34, 386), and Frederick W. Gibb, III (Reg. No. 37,629).

| | (6) Invent | oc: Donald W. Henderson | |
|-----|--------------------------|---|--|
| | Signature: | Tomatel W Henderson 11/4/03 | |
| | | Date 2 10 1100 11500 11/4/03 | |
| | Residence: | 20 Woodlane Road, Ithaca, New York 14850 | |
| | Citizenship: | USA | |
| | Post Office Addre | ess: Same as residence | |
| (7) | Inventor: Roger A. Quori | | |
| | O'man and | | |
| | Signature: | Date | |
| | 5 | | |
| | Residence: | 37 Cross Street, Beacon, New York 12508 | |
| | Citizenship: | Canada | |
| | Post Office Addres | SS: Same as residence | |
| (8) | Inventor: Stephen | Kilpatrick | |
| | Signature: | | |
| | | Ditte | |
| | Residence: | US. Army Research Laboratory . Physical Scientist, MicroDevices Branch, RF & Electronics Division, Attn: AMSRL-SE-RL , 2800 Powder Mill Road, | |
| | Citizenship: | Adelphi, MD 20783-1197 USA | |
| | Post Office Addres | s: Same as residence | |

| Direct ` | Telephone Calls to: Fre | derick W. Gibb, III (301) 261-8071 | |
|----------|-------------------------|---|---|
| (1) | Inventor: | James C. Bartelo | |
| | Signature: | | Date |
| | Residence: | 632 Leon Drive, Endicott, New York 13760 | Dulo |
| | Citizenship: | USA | |
| | Post Office Address: | Same as residence. | |
| (2) | Inventor: | Tien-Jen Cheng | 11/4/2 |
| | Signature: | In theng | 1 / 4 (0.3 Date |
| | Residence: | 75 Hickor Lane, Bedford, New York 10506 | |
| | Citizenship: | USA | |
| | Post Office Address: | Same as residence | |
| (3) | Inventor: | David F. Eichstadt | (0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 |
| | Signature: | David & Eichslad | /O-30-01 |
| | Residence: | 35 Sunset Place, North Salem, New York 10560 | |
| | Citizenship: | USA | |
| | Post Office Address: | Same as residence | |
| (4) | Inventor: | Charles C. Goldsmith | |
| | Signature: Cha | rles C Gold swith | 11/0 5 (03 |
| | Residence: | Three Scott Court, Poughkeepsie, New York 12601 | 54.0 |
| | Citizenship: | USA | |
| | Post Office Address: | Same as residence | |
| (5) | Inventor: | Joylathan M. Cottiffly | , / |
| (0) | Signature: | H- VICINI | 11/5/2003 |
| | 7 | Date | / / |
| | Residence: | 105 Boardman Road, Poughkeepsie, New York 12603 | - 8 Budd Lane |
| | Citizenship: | USA | hagrangeville, 197 |
| | Post Office Address: | Same as residence | Lagrangeville, NY |

| | (6) Invento | r: Donald W. Henderson | | |
|-----|------------------------------|--|--|--|
| | Signature: | Date | | |
| | Residence: | 20 Woodlane Road, Ithaca, New York 14850 | | |
| | Citizenship: | USA | | |
| | Post Office Addre | ss: Same as residence | | |
| | | | | |
| (7) | Inventor: Roger A | | | |
| | Signature: | Date (0/31/63 | | |
| | Residence: | 37 Gross Street, Beacon, New York 12508 15 Rockefeller Lane pd 10/31/03 | | |
| | Citizenship: | Canada Rhinebeck, NY RCP 10/31/10 | | |
| | Post Office Addre | ss: Same as residence | | |
| (8) | Inventor: Stephen Kilpatrick | | | |
| | Signature: | Date | | |
| | Residence: | US. Army Research Laboratory, Physical Scientist, MicroDevices Branch, RF & Electronics Division, Attn: AMSRL-SE-RL, 2800 Powder Mill Road, Adelphi, MD 20783-1197 | | |
| | Citizenship: | USA | | |
| | Post Office Addre | ss: Same as residence | | |